BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and construction of RCC drains at Attur Village and surrounding areas in Ward No. 03

DETAILED ESTIMATES

Estimated Cost
Rs. 99.00 Lakh

Office of the
Executive Engineer
YALAHANKA DIVISION
Bruhat Bangalore Mahanagara Palike
Bangalore

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Improvements to roads and construction of RCC drains at Attur Village and surrounding areas in Ward No. 03

	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)								
	For Drain Desilt	Cum							
	For RCC Drain								
	Attur Village								
	2nd main		2	180.00	1.20	0.90	388.80		
	3rd main		2	189.00	1.20	0.90	408.24		
	4th main		2	110.00	1.20	0.90	237.60		
	2nd cross		1	128.00	1.20	0.90	138.24		
	For RCC Culvert		3	4.80	1.60	0.90	19.42		
							1192.30	215.28	**256678.34**
	Basic Rate Rs =	130.00							
	Add 6% A.W Rs. =	7.80							
	Sub Total =	137.80							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	**215.28**							
	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P No-222,I No-27.18)								
	For Drain	Cum							
	Attur Village								
	2nd main		2	180.00	1.20	0.15	64.80		
	3rd main		2	189.00	1.20	0.15	68.04		
	4th main		2	110.00	1.20	0.15	39.60		
	2nd cross		1	128.00	1.20	0.15	23.04		
	For RCC Culvert		3	4.80	1.60	0.15	3.46		
							198.94	5421.90	**1078611.10**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)								
	For RCC Drain	Cum							
	Attur Village								
	Bottom slab								

	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate	Amount
				m	m	m		in Rs	in Rs
	Attur Village								
	2nd main		2	180.00	1.10	0.15	59.40		
	3rd main		2	189.00	1.10	0.15	62.37		
	4th main		2	110.00	1.10	0.15	36.30		
	2nd cross		1	128.00	1.10	0.15	21.12		
	side walls								
	Attur Village								
	2nd main		4	180.00	0.15	0.60	64.80		
	3rd main		4	189.00	0.15	0.60	68.04		
	4th main		4	110.00	0.15	0.60	39.60		
	2nd cross		2	128.00	0.15	0.60	23.04		
							374.67		
	For RCC Culvert								
	Raft		3	4.80	1.50	0.23	4.97		
	side walls		6	4.80	0.23	0.60	3.97		
							8.94		
					Net Qty		**383.61**	7070.20	**2712216.39**
	Basic Rate Rs.=	6670.00							
	Add 6% A.W Rs. =	400.20							
	Total Rate Rs. =	**7070.20**							
	KSRRB - M2300-14: Providing TMT steel reinforcement for R C C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications MORTH Specification No 1600 & 2200 for TMT bars Fe 500 (P.No 239, I.No 29.29.2 of PW, P&IWTD S R 2018-19)								
	Considering steel For Drain @ 70 kg / cum	Tonne		374.67	0.070	--	26.23		
	Considering steel For Culvert @ 100 kg / cum			8.94	0.100	--	0.89		
							27.12	73992.24	**2006753.90**
	Basic Rate Rs.=	69804.00							
	Add 6% A.W Rs. =	4188.24							
	Total Rate Rs. =	**73992.24**							
	Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For drain cover slab	Sqm							
	missing slabs/damaged slabs		44	0.60	0.90	--	23.76		
	Attur Village								
	2nd main		2	180.00	0.90	--	324.00		
	3rd main		2	189.00	0.90	--	340.20		
	4th main		2	110.00	0.90	--	198.00		
	2nd cross		1	128.00	0.90	--	115.20		
	Deduct available slabs		45	0.60	0.90	--	-24.30		
							976.86	2337.00	**2282921.82**
	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	For Culvert Slabs	Sqm	3	4.80	1.50	--	**21.60**	5418.00	**117028.80**
							Sub Total 1 Rs.		**8454210.35**

Sl No	Description of work	Unit	No	Length m	Breadth m	Depth m	Quantity	Rate in Rs	Amount in Rs
	Add GST @ 12%								1014505.28
	Add KRIDL @ 4%								338168.43
	PMC Charges including GST								93000.00
							Sub Total 2 Rs.		9899884.37
	Miscellaneous & Rounding off								115.63
								Total Rs.	9900000.00

CERTIFICATE:

1 The work spot has been inspected by me and the work is found to be necessary
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2018-2019
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Assistant Engineer
Ward 08
BBMP

Assistant Executive Engineer
Yelahanka Newtown Sub Division
BBMP

Executive Engineer
Yelahanka Division
BBMP

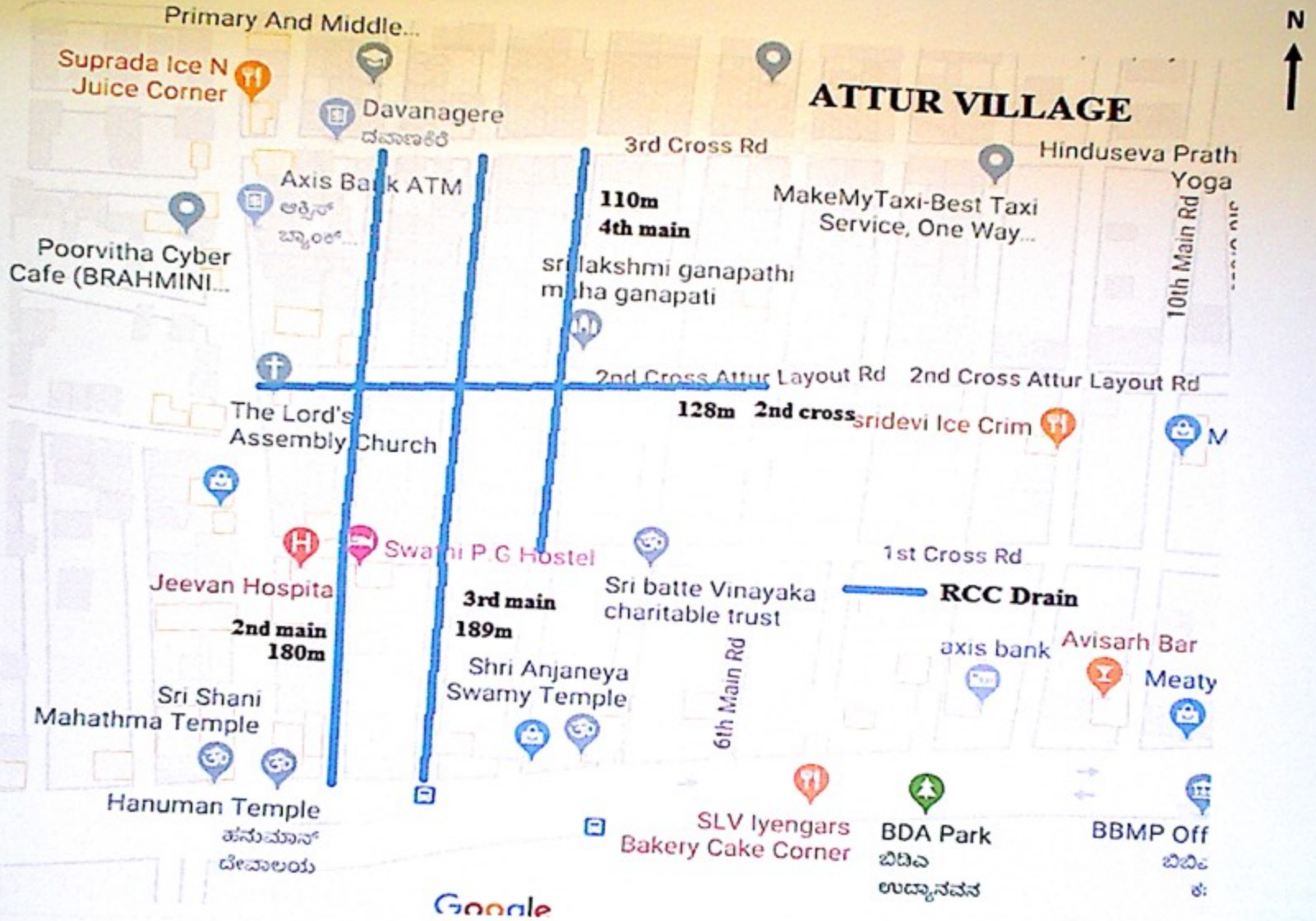
Administrative Sanction for Rs. 99.00 Lakhs
Ninety Nine Lakhs only
is accorded under head P-3727
Chief Minister Hara nagarothana
granted 2018-19
Registered as CE No
to conditions contained
No. EE/YNK/AS/30/2019-20 dt 28/10/2019

Executive Engineer

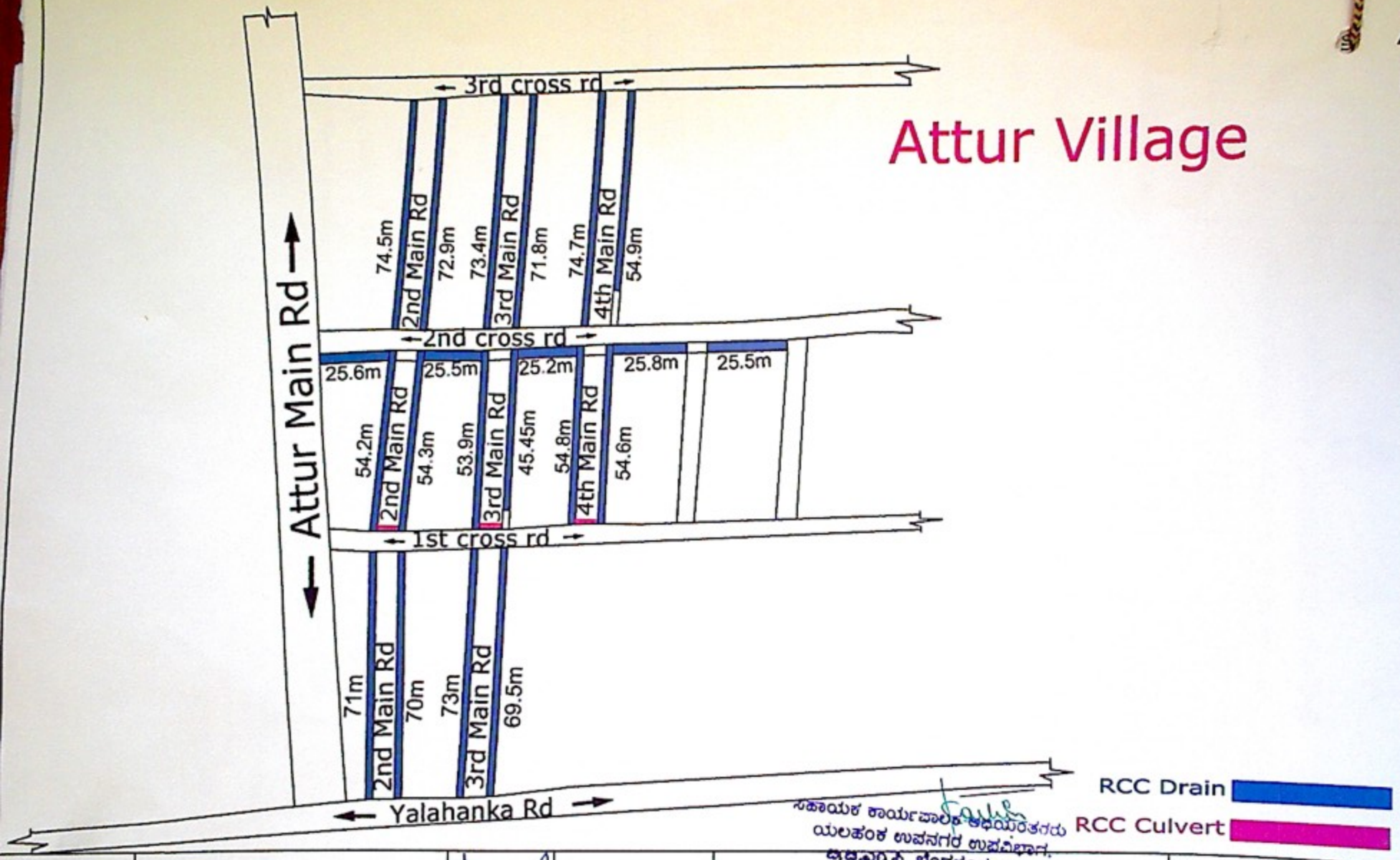
Technical Sanction
Accorded For Rs 99.00 lakhs only
Head of A/C P 3727
CER NO :118 Dt: 28.10.2019

TA CE (YNK)

Name of Work: Improvements to roads and construction of RCC drains at Attur Village and surrounding areas in Ward No. 03



NAME OF WORK- Improvements To Roads and Drains at Attur village and surrounding areas in ward No.03



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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿಬಿಎಂಪಿ, ಬೆಂಗಳೂರು-106

CLIENT:
BRUHAT BANGALORE
MAHANAGARA PALIKE

Assistant Engineer / Executive Engineer

Executive Engineer

CONSULTANT:-
NEWZEN CONSULTANTS BANGALORE
#13,10,MAIN 2nd CROSS,JNANAJYOTHI NAGAR,
JNANA BHARATHI, BANGALORE-560 056
PH-8792620231. E-mail:kumar.vinay631@gmail.com